

Appl. No. 09/681,992
Amdt. dated July 21, 2005
Reply to Office action of April 21, 2005

REMARKS/ARGUMENTS

Examiner's Comments:

Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Cao (6,876,639).

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Applicant's Response:

Although it appears that the suspend function of Cao and the "local suspend function" of the present invention are different and serve different purposes, without disclaimer of any kind and the right to challenge this and other statements made by the Examiner in this Office action retained, the Applicant has chosen to amend independent claims 1 and 5 to more distinctly describe the present invention.

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The reset procedure of claim 1 has been redefined as the reset procedure causing a next layer 2 protocol data unit (PDU) to be transmitted have an SN equal to a default value wherein the default value is zero. Claim 7 has been amended similarly. Support for the added limitations can be found at least in paragraph [0028] of the application as filed. No new material has been introduced.

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Cao discloses that "the TCP context is reset to the last acknowledged packet" (Col.9, lines 38-40, Fig.6A). It is presumed but not specifically stated that "the last acknowledged packet" is the default value that the Examiner is referring to when saying that Cao anticipates the present invention's limitation of "the reset procedure causing a next protocol data unit to be transmitted have an SN equal to a default value" (un-amended Claim 1). If this presumption is incorrect, it is respectfully requested that the Examiner clarify the misunderstanding. However, when transmission is resumed, Cao will resume transmitting "from the last acknowledged byte" (Col.4, lines 51-56). Note that the last acknowledged packet is rarely the last packet transmitted, due to a delay in response time over any network. Thus, Cao will automatically retransmit any and all previously transmitted and as of yet unacknowledged packets due to the reset procedure.

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On the other hand, as claimed, the present invention does not resume transmission from the last acknowledged byte. The RLC reset procedure will discard SDUs that have been transmitted in whole or in part (Paragraph [0028]). Suppose an
5 SDU is segmented into 10 PDUs and the first PDU was transmitted right before the reset is initiated, then the next nine PDUs will be discarded and will not be transmitted after reset. The next layer 2 PDU to be transmitted will, due to the reset, have an SN equal to zero. Then, to avoid incorrectly utilizing a prior encryption scheme on the next "suspend point" number of PDUs transmitted, the present
10 invention sets the suspend point also to zero, so that subsequently transmitted PDUs will be encrypted utilizing a new encryption scheme. Cao, alone or in combination with any known prior art, fail to teach or suggest this claimed feature.

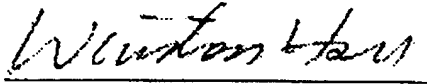
Applicant respectfully requests reconsideration of claims 1-7 and that a timely
15 Notice of Allowance be issued in this case.

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Respectfully submitted,



Date: July 21, 2005

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D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.